

INTERRUPT SYSTEM USING EVENT DATA STRUCTURES

ABSTRACT

5 Provided are techniques for interrupt processing. An Input/Output device
determines that an event has occurred. The Input/Output device determines a state of an
event data structure. The Input/Output device writes an event entry into the event data
structure in response to determining that the event has occurred. After writing the event
entry, the Input/Output device determines whether to generate an interrupt or not based
10 on the state of the event data structure.

 Additionally provided are techniques for interrupt processing in which an I/O
device driver determines that an interrupt has occurred. The I/O device driver reads an
event entry in an event data structure in response to determining that the interrupt has
occurred. The I/O device driver updates a state of a structure state indicator to
15 enable/disable interrupts.